



Personal System/2
Facts and Features

October 1991

PS/2 it!

Use this handy reference to make quick comparisons of IBM Personal System/2[®] models—and check their options, too. It presents basic facts and features—as well as attachment cards and enhancement products—for the entire PS/2[®] family.

Personal System/2 model comparisons



Personal System/2 Model	25	25 286	30 286	35 SX
Machine numbers	8525-001, 004, G01, G04, L01, L04	8525-006, G06, 036, G36	8530-E01, E41	8535-040, 043
Processor	8086	80286	80286	80386 SX
Coprocessor (optional)	8087	80287	80287	Socket
Speed (MHz)	8	10	10	20
Memory cache	None	None	None	None
Bus architecture	PC	AT [®]	AT	AT
Data path	8-bit	16-bit	16-bit	16-bit
User memory (RAM)⁴				
Standard—maximum on system board	512KB–640KB 640KB (L01, L04)	1MB–4MB	1MB–4MB	2MB–16MB
System maximum (addressable)	640KB	16MB ⁵	16MB	16MB
Integrated functions				
Parallel/serial/pointing device ports	Yes	Yes	Yes	Yes
Graphics	MCGA	VGA	VGA	VGA
Display port	No	No	Yes	Yes
Built-in display	Yes	Yes	No	No
Disk/diskette controller	Yes	Yes	Yes	Yes
SCSI	No	No	No	No
Network adapter	Optional	Optional	Optional	Optional
Key lock	Yes	Yes (036, G36) ⁷	Yes	Yes
Clock/calendar	No	Yes	Yes	Yes
Security password	No	Yes	Yes	Yes
Diskette drives, 3.5-inch				
Capacity	720KB	1.44MB	1.44MB	1.44MB
Fixed disk storage				
Standard—maximum (MB)	0–20	0–30 (006, G06) ⁹ 30 (036, G36)	0–45 (E01) ⁹ 45 (E41)	0–80 (040) 40 (043)
Average seek time	80ms	27ms (30MB)	32ms (45MB)	17ms
Expansion slots (available)	2 ¹⁰	2 ¹⁰	3	3
Power supply	90-watt (001, G01, L01) 115-watt (004, G04, L04)	124.5-watt	90-watt	118-watt
Operating systems				
DOS	3.3, 4.0, 5.0	3.3, 4.0, 5.0	3.3, 4.0, 5.0	3.3, 4.0, 5.0
Operating System/2 [®]	No	SE, EE 1.2, 1.3	SE, EE 1.2, 1.3	SE, EE 1.3; OS/2 2.0 (when available)
AIX [®] Personal System/2	No	No	No	No

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¹ Processor upgrade (A81, A16).

² 80486 SX microprocessors on 0Hx models.

³ 25 MHz (0Hx) models do not have a built-in coprocessor function; however, a math coprocessor 487 SX optional feature is available.



35 LS	40 SX	L40 SX	55 SX	55 LS	57 SX
8535-14X, 24X	8540-040, 043, 045	8543-044	8555-041, 081	8555-LT0, LE0	8557-045, 049
80386 SX Socket 20	80386 SX Socket 20	80386 SX Socket 20	80386 SX 80387 SX 16	80386 SX 80387 SX 16	80386 SX Socket 20
None	None	None	None	None	None
AT 16-bit	AT 16-bit	AT 16-bit	Micro Channel® 16-bit	Micro Channel 16-bit	Micro Channel 16-bit
2MB-16MB	2MB-16MB	2MB-18MB	4MB-8MB	4MB-8MB	4MB-16MB
16MB	16MB	18MB	16MB	16MB	16MB
Yes VGA Yes No Yes No Token-Ring or Ethernet Yes Yes Yes	Yes VGA Yes No Yes No Optional Yes Yes Yes	Yes VGA Yes Yes-LCD Yes No Optional ⁶ No Yes Yes	Yes VGA Yes No Yes Optional Optional Yes Yes Yes	Yes VGA Yes No Yes Optional Token-Ring or Ethernet Yes Yes Yes	Yes VGA Yes No Yes Optional Yes Yes Yes
1.44MB or 2.88MB ⁸	1.44MB or 2.88MB ⁸	1.44MB	1.44MB	1.44MB	1.44MB or 2.88MB
0-80	0-80 (040) 40-120 (043) 80-160 (045)	60 (044)	40 (041) 80 (081)	0-80	80-880 (045) 160-960 (049)
17ms	17ms	19ms (044)	17ms (40MB) 16ms (80MB)	17ms (40MB) 16ms (80MB)	17ms (80MB) 16ms (160MB)
2	5	None ¹¹	3	2	5
118-watt	197-watt	Rechargeable battery pack; AC adapter	90-watt	90-watt	197-watt
3.3, 4.0, 5.0 SE, EE 1.30.1; OS/2 2.0 (when available) ¹³ No	3.3, 4.0, 5.0 SE, EE 1.30.1; OS/2 2.0 (when available) No	3.3, 4.0, 5.0 SE, EE 1.3; OS/2 2.0 (when available) No	3.3, 4.0, 5.0 SE, EE 1.2, 1.3; OS/2 2.0 (when available) 1.2.1 (081)	3.3, 4.0, 5.0 SE, EE 1.30.1; OS/2 2.0 (when available) ¹³ No	5.0 SE, EE 1.30.1; OS/2 2.0 (when available) No

⁴128KB of this memory is reserved for hardware system use on Models 55 SX, 55 LS, P70 386, 70 386.

⁵Achieving this configuration requires installation of non-IBM memory cards.

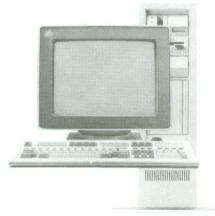
⁶IBM intends to provide connectivity to IBM networks using the L40 SX's external expansion port and Personal Computer AT versions of the 3278/3279 Emulation Adapter, the 5250 Emulation Adapter, and the Token-Ring Network 16/4 Adapter.

⁷Secures fixed disk only.

⁸DOS 5.0 is required to support the 2.88MB diskette drive and the media-sense features of the 1.44MB and 2.88MB drives.

⁹Second diskette drive and fixed disk are mutually exclusive.

¹⁰One full-size, one half-size; 8525-L01, L04 models use half-size slot for Token-Ring Adapter.



P70 386	70 386	P75 486	80 386	90 XP 486	95 XP 486
8573-121	8570-081, 161, A81, A16	8573-161, 401	8580-081, 161, 321, A16, A31	8590-0H5, 0H9, 0K9, 0KF	8595-0H9, 0HF, 0KF
80386 80387 20	80386/80486 ¹ 80387 20 (081, 161) 25 (A81, A16)	80486 Built-in 33	80386 80387 20 (081, 161, 321) 25 (A16, A31)	80486 ² Built-in ³ 25 (0H5, 0H9) 33 (0K9, 0KF)	80486 ² Built-in ³ 25 (0H9, 0HF) 33 (0KF)
None	64KB (A81, A16)	8KB	64KB (A16, A31)	8KB 256KB optional (0K9, 0KF)	8KB 256KB optional (0KF)
Micro Channel 32-bit	Micro Channel 32-bit	Micro Channel 32-bit	Micro Channel 32-bit	Micro Channel 32-bit	Micro Channel 32-bit
4MB–8MB	4MB–6MB (081, 161) 4MB–8MB (A81, A16)	8MB–16MB	4MB (081, 161, 321) 4MB–8MB (A16, A31)	4MB–64MB (0H5, 0H9) 8MB–64MB (0K9, 0KF)	8MB–64MB
16MB	16MB	16MB	16MB	64MB	64MB
Yes VGA Yes Yes/gas plasma Yes Optional Optional No Yes Yes	Yes VGA Yes No Yes Optional Optional Yes Yes Yes	Yes XGA Yes Yes/gas plasma Yes Standard Optional Yes Yes Yes	Yes VGA Yes No Yes Standard Optional Yes Yes Yes	Yes XGA Yes No Yes Standard Optional Yes Yes Yes	Yes XGA Yes No Yes Standard Optional Yes Yes Yes
1.44MB	1.44MB	1.44MB	1.44MB	1.44MB	1.44MB
120	80 (081, A81) 160 (161, A16)	160 (161) 400 (401)	80–1.04GB (081) 160–1.12GB (161, A16) 320–1.28GB (321, A31)	80–880 (0H5) 160–960 (0H9, 0K9) 400–1.2GB (0KF)	160–1.7GB (0H9) 400–2.0GB (0HF, 0KF)
23ms	16ms	16ms (160MB) 11.5ms (400MB)	17ms (80MB) 16ms (160MB) 12.5ms (320MB)	17ms (80MB) 16ms (160MB) 11.5ms (400MB)	16ms (160MB) 11.5ms (400MB)
2 ¹⁰	3	4 ¹²	7	3	6
85-watt	132-watt	120-watt	225-watt 242-watt (A16, A31)	194-watt	329-watt
3.3, 4.0, 5.0 SE, EE 1.2, 1.3; OS/2 2.0 (when available) 1.2.1	3.3, 4.0, 5.0 SE, EE 1.2, 1.3; OS/2 2.0 (when available) No	3.3, 4.0, 5.0 SE, EE 1.2, 1.3; OS/2 2.0 (when available) 1.2.1	3.3, 4.0, 5.0 SE, EE 1.2, 1.3; OS/2 2.0 (when available) 1.2.1	3.3, 4.0, 5.0 SE, EE 1.2, 1.3; OS/2 2.0 (when available) 1.2.1	3.3, 4.0, 5.0 SE, EE 1.2, 1.3; OS/2 2.0 (when available) 1.2.1

¹¹Has an AT bus external expansion port instead.

¹²Two full-size; two half-size.

¹³OS/2 LAN Server 2.0 (when available) will provide DOS and OS/2 client support for Remote Program Load in Token-Ring and Ethernet networks.

IBM PS/2 options

Personal System/2 Model	Part no.*	25	25 286	30 286	35 SX	35 LS	40 SX	L40 SX	55 SX	55 LS	57 SX	P70 386	70 386	P75 486	80 386	90 XP 486	95 XP 486
Processors/coprocessors																	
486/25 Power Platform (upgrade)	6450876												■1				
486/25 Processor Upgrade	**															■2	■2
486/33 Processor Upgrade	**															■	■
486/50 Processor Upgrade	**															■	■
487/20-25 MHz Math Co-Processor	6451243															■	■
PS/2 Wizard Adapter	64F7351												■	■	■	■	■
Memory																	
128KB Memory Expansion	78X8955	■															
Multifunction Adapter	30F5364			■													
1-8MB 80286 Memory Expansion Option	6450685								■	■							
2-8MB 80286 Memory Expansion	6450609								■	■							
2-8MB 80386 Memory Expansion	6450605											■	■	■	■		
Enhanced 80386 Memory Expansion 2MB	34F3077											■	■		■		
Enhanced 80386 Memory Expansion 4MB	34F3011											■	■		■		
1, 2MB Memory Module Kits/85ns	**				■	■	■									***	***
2, 4, 8MB Memory Module Kits/80ns	**				■	■	■	■								***	***
2, 4, 8MB Memory Module Kits/70ns	**				■	■	■				■					■	■
Storage devices																	
3.5-inch 720KB Diskette Drive	**	■															
3.5-inch 1.44MB Diskette Drive	**		■	■	■	■	■			■	■		■		■	■	■
3.5-inch 2.88MB Diskette Drive	6451106				■	■	■				■						
5.25-inch Internal Diskette Drive	**				■	■	■				■				■	■	■
5.25-inch External Diskette Drive (360KB)	4869001	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■
5.25-inch External Diskette Drive (1.2MB)	4869002								■	■	■	■	■	■	■	■	■
20MB Fixed Disk	**	■	■	■													
30MB Fixed Disk	**		■	■													
40MB Fixed Disk	**				■	■	■			■							
80MB Fixed Disk	**				■	■	■			■							
80MB SCSI Fixed Disk	6451045										■				■	■	■
160MB SCSI Fixed Disk	6451046										■				■	■	■
320MB SCSI Fixed Disk	6451108										■				■	■	■
400MB SCSI Fixed Disk	6451081										■				■	■	■
CD-ROM Drive (Internal)	6451113										■				■	■	■
External CD-ROM Drive	3510001								■	■	■	■	■	■	■	■	■
2.3GB SCSI Tape Drive	6451121										■						■
Internal Tape Backup Unit	30F5279				■	■	■				■		■		■	■	■
SCSI Storage Enclosure	35100V0								■	■	■	■	■	■	■	■	■
External Enclosure for SCSI Devices	3511003								■	■	■	■	■	■	■	■	■
3.5-inch Rewritable Optical Drive	6450162										■				■	■	■
Connectivity																	
Token-Ring Network Adapter II	25F9858	■	■	■	■	■	■										
Token-Ring Network Adapter/A	69X8138								■	■	■	■	■		■	■	■
P70 386 Token-Ring Adapter/A	39F9598													■		■	
Token-Ring Network 16/4 Adapter	25F7367	■	■	■	■	■	■										
Token-Ring Network 16/4 Adapter/A	16F1133								■	■	■	■	■	■	■	■	■
Token-Ring Network 16/4 Busmaster	25F7368																

Displays	PS/2 Monochrome Displays 8504 and 8508; PS/2 Color Displays 8512, 8513, 8514, 8515, 8516, 8518.
Printers/plotters/scanners	The following are supported on all models: Proprinter® 24P, Personal Printer Series II, LaserPrinter, 3816 Page Printer, ExecJet™ PS/1™ Printer, 618X/737X Color Plotters, 3117/3118 Scanners (not supported on Models 90 and 95 XP 486). The 3119 PageScanner is supported on Models 50 and above.

****There is more than one part number for this type of option, depending on the amount of on-card memory and other functions desired.



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